



Technical Data Sheet

ACS Material Mesoporous Molecular Sieve ZSM-5 Catalyst

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Revision: 061617

1. Preparation Method

Hydrothermal Method

2. Characterizations

Appearance:	Column (pelletized), solid
SiO₂/Al₂O₃ Molar Ratio:	38
Dimension:	Φ2×2-10 mm
Pore Volume:	≥0.25 cm ³ /g
BET surface area:	≥250 m ² /g
Bulk Density:	~0.72 kg/L
LCrushing Strength:	≥98 N/cm ²
Attrition:	<1 wt.%
Binder Type:	Pseudo-Boehmite
Binder wt. %:	30 wt.%

3. Application Fields

- 1) Diesel Oil Nonhydrodewaxing catalysts: decrease the freezing point of diesel fuel
- 2) DCC catalyst: maximize to produce propylene
- 3) FCC Catalyst or additives: improve the gasoline octane number and the yields of LPG and propylene
- 4) Xylene isomerization catalyst
- 5) Methanol converting to gasoline
- 6) Aromatization catalyst

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